

**BVM Engineering College (An Autonomous Institution)****Structural Engineering Department****M. Tech. Civil (Structural Engineering)****Semester 1**

<b>Sr. No</b>	<b>Course Code</b>	<b>Name of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>C</b>
1	<a href="#">501SE</a>	<a href="#">Advanced Structural Analysis</a>	3	0	2	5	4
2	<a href="#">502SE</a>	<a href="#">Structural Dynamics and Earthquake Engineering</a>	3	0	2	5	4
3	<a href="#">503SE</a>	<a href="#">Advanced Foundation Engineering</a>	3	0	2	5	4
4	<a href="#">504SE</a>	<a href="#">Experiments Methods in Structural Engineering</a>	0	0	2	2	1
5		Program Elective - I	3	0	2	5	4
6		Program Elective - II	3	1	0	4	4
<b>Total</b>			<b>15</b>	<b>1</b>	<b>10</b>	<b>26</b>	<b>21</b>

**Program Elective - I**

1	<a href="#">541SE</a>	<a href="#">Numerical Methods in Structural Engineering</a>	3	0	2	5	4
2	<a href="#">542SE</a>	<a href="#">Sustainable Practices in Concrete Technology</a>	3	0	2	5	4
3	<a href="#">543SE</a>	<a href="#">Experimental Stress Analysis</a>	3	0	2	5	4

**Program Elective - II**

1	<a href="#">544SE</a>	<a href="#">Advanced Solid Mechanics</a>	3	1	0	4	4
2	<a href="#">545SE</a>	<a href="#">Structural Optimization</a>	3	1	0	4	4
3	<a href="#">546SE</a>	<a href="#">Structural Health Monitoring</a>	3	1	0	4	4

**Semester 2**

<b>Sr. No</b>	<b>Course Code</b>	<b>Name of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>C</b>
1	<a href="#">505SE</a>	<a href="#">Finite Element Method in Structural Engineering</a>	3	0	2	5	4
2	<a href="#">506SE</a>	<a href="#">Advanced Design of Steel Structures</a>	3	1	0	4	4
3	<a href="#">507SE</a>	<a href="#">Advanced Design of Concrete Structures</a>	3	1	0	4	4
4	<a href="#">508SE</a>	<a href="#">Research Methodology</a>	1	0	2	3	2
5	<a href="#">531SE</a>	<a href="#">Mini Project</a>	0	0	4	4	2

6		Program Elective - III	3	1	0	4	4
7		Program Elective - IV	3	1	0	4	4
<b>Total</b>			<b>16</b>	<b>4</b>	<b>8</b>	<b>28</b>	<b>24</b>
<b>Program Elective - III</b>							
1	<a href="#">547SE</a>	<a href="#">Bridges and Tall Structures</a>	3	1	0	4	4
2	<a href="#">548SE</a>	<a href="#">Theory of Plates and Shells</a>	3	1	0	4	4
3	<a href="#">550SE</a>	<a href="#">Design of Masonry and Timber Structures</a>	3	1	0	4	4
<b>Program Elective - IV</b>							
1	<a href="#">549SE</a>	<a href="#">Soil Structure Interaction</a>	3	1	0	4	4
2	<a href="#">551SE</a>	<a href="#">Design of Prestressed Concrete Structures</a>	3	1	0	4	4
3	<a href="#">552SE</a>	<a href="#">Design of Special Structures</a>	3	1	0	4	4
<b>Semester 3</b>							
<b>Sr. No</b>	<b>Course Code</b>	<b>Name of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>C</b>
1	<a href="#">631SE</a>	<a href="#">Dissertation - I</a>	0	0	30	30	15
<b>Total</b>			<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>15</b>
<b>Semester 4</b>							
<b>Sr. No</b>	<b>Course Code</b>	<b>Name of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>C</b>
1	<a href="#">632SE</a>	<a href="#">Dissertation - II</a>	0	0	30	30	15
<b>Total</b>			<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>15</b>
<b>Total Credits Distributions</b>			<b>31</b>	<b>5</b>	<b>78</b>	<b>114</b>	<b>75</b>